

Solutia Inc.

W.G. Krummrich Plant 500 Monsanto Avenue Sauget, Illinois 62206-1198 Tel 618-271-5835

March 7, 2003 (Via certified or express mail)

Kevin Turner-Environmental Scientist, OSC U. S. Environmental Protection Agency c/o Crab Orchard National Wildlife Refuge 8588 Rt. 148 Marion, IL 62959

Thomas Martin Associate Regional Counsel 77 West Jackson Boulevard (C-14J) Chicago, IL 60604-3590

Re: Sauget Sites Area I - May 31, 2000 Unilateral Administrative Order (UAO) Sediment / Soils Removal Action #22 - March 2003 Monthly Report

Dear Mr. Turner and Mr. Martin,

Enclosed is the March 2003 Monthly Report for the Sauget Sites Area I May 31, 2000 Unilateral Administrative Order ("UAO") Sediment Removal Action. This submittal is in fulfillment of the monthly reporting requirements of the UAO, Section V, and paragraph 3.4. Reporting. Yec 1/21/99

Sincerely,

Alan G. Faust

Project Coordinator

Solutia Inc.

Nabil Fayoumi - USEPA Region 5 CC:

Sandra Bron - IEPA

Mike Henry - IDNR

Kevin de la Bruere - USFW

Linda Tape - Husch & Eppenberger

Mayor D. Reed - Cahokia

Village of Sauget - c/o P. H. Weis & Associates (Attn: Brian Nelson)

Mayor P. Sauget - Sauget, IL Richard Williams - Solutia

Sauget Sites Area I - Sauget, Illinois

May 31, 2000 UAO - Dead Creek Sediment Removal Action

Monthly Report

Date of Report:

March 7, 2003

Period Covered:

February 1, 2003 - February 28, 2003

Next Report Period:

March 1, 2003 - March 31, 2003

Background

A Unilateral Administrative Order ("UAO") was issued to Solutia by the U. S. EPA on May 31, 2000, requiring construction of an on-site containment cell, removal of affected creek bed sediments and soils and flood plain soils from specific sections of Dead Creek, and placement of the affected sediments and soils in the newly constructed on-site cell. A Time Critical Removal Action Work Plan ("TCRAWP") was initially submitted to the Agencies on June 30, 2000 for review and approval. Agreements sufficient to proceed with issuance of a request for bids for the containment cell construction were reached in December 2000. Bids were received in late January and evaluated in February 2001.

Fieldwork began on the sediment de-watering phase of the project in November 2000. Installation of the required facilities (piping, pumps, basins, etc.) to de-water the sediments while the containment cell was being constructed was completed and started up in February 2001. Operation of these facilities will continue until all sediments are placed into the containment cell.

Subject to the inclusion of all comments and agreed upon revisions; approval of the containment cell design by U. S. EPA was received on March 5, 2001. A contract for construction of the containment cell was awarded on March 8, 2001 to LMS Environmental Contracting, Inc. ("LMS"). Placement of fill for the Containment Cell berms began on April 23, 2001. A March 30, 2001 revised draft containment cell design was approved by the Agencies in a May 10, 2001 letter. Construction was completed on the Containment Cell on September 13, 2001. A draft Containment Cell Certification Report was submitted for the Agencies' review and approval upon construction completion. The Containment Cell was approved on September 24, 2001 by USEPA and IEPA for receipt of sediment. Placement of sediments into the cell began on September 26, 2001.

An Amendment to the UAO was received on October 29, 2001. The Amendment modified the project scope of the UAO – adding Creek Sector F sediments removal and placement into the Containment Cell. On August 20, 2001, Solutia requested a change in

the Post Removal Confirmation Sampling and analytical protocols. In a November 30, 2001 communication, the Agency responded with revised sampling and analytical protocols.

Agency Actions / Communications

- Revision 01 of the Draft Groundwater Monitoring Plan submitted to the Agencies on August 3, 2001 remained under review.
- The Operations and Maintenance Report submitted for the Agencies' review and approval on August 28, 2001- remained under review. Portions of the Plan applicable to the placement of sediments have already been approved.

Work Performed during the reporting period

- Performed weekly inspection of the site.
- Maintained operation of the 50-gpm stormwater treatment system.
- Inspected and maintained the 6oz. geotextile/6 mil scrim reinforced poly cover over the containment cell.
- Maintained stormwater and leachate collection controls around the containment cell.
- Monitored support area facilities.
- Analyzed samples collected during the December 2002 quarterly sampling of the groundwater monitoring wells around the containment cell. Samples were analyzed for parameters in the Draft Groundwater Monitoring Plan Revision 01.
- A Bid Package for seeding **Dead Creek** was issued to six potential contractors and a Pre-Bid Meeting with these bidders is scheduled for March 12, 2003.
- The design for the liner to be installed in Creek Sector B is being prepared.
- The Dead Creek Pumping System has been installed. There are a total of six pumping stations along the course of the creek to enhance flow and eliminate ponding caused by vertically misaligned culverts. Final system adjustments and start-up are scheduled for March 2003.

Data Submittal

Validated data from the September 2002 TSCA Cell Quarterly Groundwater Monitoring sampling event are submitted with this report.

Work scheduled for next reporting period

- Conduct routine inspection of the containment cell.
- Continue operation of the 50-gpm stormwater treatment system.
- Perform necessary operation and maintenance on the containment cell and temporary treatment system.
- Validate laboratory data from groundwater samples analyzed for parameters in the Draft Groundwater Monitoring Plan Revision 01.

- Finalize a contract with the selected bidder for the Dead Creek seeding project.
- Start up the pumping system in dead creek and remove standing water in order to permit the landscape contractor to seed the bottom of the creek.
- Conduct the March 2003 TSCA Cell Quarterly Groundwater Monitoring sampling event.

PROJECT COMPLETION

Mobilization	100 %
Berm Construction	100 %
Liner Installation	100 %
Sediment Removal Preparation	100 %
Sediment Excavation (Site M)	100 %
Sediment Excavation (Original Scope of Work)	100 %
Sediment Excavation (Sector F)	100 %
Temporary Cover installation	100 %
Demobilization - Phase I	100 %
Final Cover Installation	0 %
Demobilization - Phase II	0 %
Final Report Preparation	0 %

Problems and Solutions

In discussion with officials from the Village of Cahokia, standing water in separate segments of Dead Creek emerged as a source of concern, given the current public health warnings about the West Nile Virus. The water is stagnant because the creek bottom is significantly lower than culvert inverts.

Because of this concern, Solutia agreed to install temporary pumps to pump the water downstream. This work was completed during the September 1, 2002 – September 30, 2002 reporting period. The permanent pumping system was installed during the January 1, 2002 – January 31, 2002 reporting period. The system consists of six pumps permanently mounted in the creek. The pumps are fitted with level control switches and will pump water downstream through the existing culverts when the water level is below the culvert inverts. AmerenUE completed the power connections at the Cahokia Street and Kinder Street locations, this last reporting period. The system is scheduled for startup and field testing in March. Level adjustments will also be performed at each of the six (6) pump locations at that time.

Submittal Schedule Status

See attached UAO schedule

Issues under review

None

Comments

None

May 31 Sauget Area I UAO Sediment Removal Action SCHEDULE

Deliverable	Description	Due Date
Issuance Date	Date UAO signed by Muno	31-May-00
Effective Date	10 business day after issuance	14-Jun-00
Notice of Intent to Comply	3 business days after effective date	19~Jun-00
Designation of Contractor and Project Coordinator	5 business days after effective date	21-Jun-00
Access	14 calendar days after effective date	28-Jun-00
Time Critical Removal Action Work Plan Submittal	15 business days after effective date	7-Jul-00
EPA Approval of TCRA W/P		May 10, 2001
Monthly Reports	Begin 30 calendar days after approval of TCRA W/P until completion	June 10, 2001
Final Report	60 Calendar days after completion of sediments and soils removal	
Mitigation Plan	60 Calendar days after completion of sediments and soils removal	May 22, 2002

Summary of Table of Validated Analytical Data for Ground Water Samples



Sauget Area 1

Ground Water - September 2002

Method 8260 Volatile Organic Compound Data

	Sample ID	TACO Standards Class I GW	TCMW-01M	TCMW-01S	TCMW-02	TCMW-03M	TCMW-03S	TCMW-04
	Sample Date	(2,2002)	09/24/92	09/24/02	09/25/02	09/23/02	09/23/02	09/25/02
	Units	ுத ி	սց/1	ug/l	ug/l	បន្ទា	u g /}	Гgu
Compound								
,1,1-Trichloroethane		200c	5 U	5 U	5 U	5 U	5 U	5 U
,1,2,2-Tetrachloroethane		NC	5 U	.5 U		.5 U	5 U	5 U
,1,2-Trichloroethane		5 c	5 U	5 U	5 U	5 U	5 U	5 U
,1-Dichloroethane		.700	5 U	-5 U	5 U	. 5 U	.5.U	5 U
,1-Dichloroethene		7c	5 U	5 U	5 U	5 U	5 U	5 U
2-Dichloroethane		5c 2 (4)	5 U	5 U	\$ 0	5 u	5 U	3 U
,2-Dichloropropane		5c	5 U	5 U	5 U	5 0	5 U	5 U
-Butanone (MEK)		NU	25 E	25:U	25 U	25 U	25 ∪	25 U
-Hexanone		NC	25 U	25 U	25 U	25 U	25 U	25 U
-Methyl-2-pentanone (MIUK)		NC	25 U	2513	25 U	25 Ü	25 U	25 Ü
keetone		700	50 U	50 U	50 U	50 U	50 U	50 U
Benzene		.5c	1.2 Ü	1.21/	1.2 U	r. 2 U	120	1.2 U
Bromodichloromethane		0.2a	5 U	5 U	5 U	5 U	5 U	5 U
)romoforni		la	5 D	5 U	5 U	5 U	5 U	š U
Bromomethane		9.8	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 TJ
arbon disulfide		700	5 U	5 U	5 U	3 U	s v	5.U
Carbon tetrachloride		5c	5 7 J	5 U	5 U	5 U	5 U	5 U
Inforobenzene		100c	5 U.S.	5 U	SU.		' 	3 U
hloroethane		NC	10 U	10 U	10 U	10 U	10 U	10 U
hloratorm		0.2a	5 0	.5 U	5 U	5 U	5 U	5 U
hloromethane		NC	10 U	10 U	10 U	10 U	10 U	10 U
S/Trans 1,2-Dichluroethene		NC.	5 U	5 U	\$U	5 Ü	5 U	\$-08-11-11-11-11-11-11-11-11-11-11-11-11-11
Dibromochloromethane		140	5 U	5 U	5 U	5 U	5 U	5 I.J
thytbenzene		700c	3 T	5 U	\$ U	5 U	30 mm to 10 mm	\$ U
dethylene chloride (Dichlorometha	nc)	5c	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
tyrene	解释的目标意	100c	5 TJ	5 U :: 12	5 U	5U	5 U	3 U
etrachloroethene		5 c	5 U	5 U	5 U	5 U	5 U	
oluene	a Jana Barata	1000c	5 U	5 U	3 U	51J	5 U. (1.15) - 1. (1.15) - 1. (1.15)	5⊍
richloroethene		5¢	0.49 J	2.7 U	0.46 J	2.7 U	2.7 U	2.7 U
inyl chloride		2c	10 U	10 U	10 U	10 U	10.0	10:U
(ylenes, Total	er en	10000c	5 U	5 Ü	5 U	5 U	5 U	5 []
is-1,3-Dichloropropene		NC	uu	117	ıv	1 U	10	10
nus-1,3-Dichleropropene		NC	5 U	5 U	5 U	5 U	5 U	5 U
ntal VOCs	1383 1045 150	NOMES BEING STREET, SALES	10.49	ND:	0.46	Capapitan subur na sibili Sisan (Si	ND	ND

NOTES:

U - not detected, I - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, DUP - field duplicate, NC - no criteria, [] - exceeds IACO Class I Ground Water Standards a - The ground water remediation objective is equal to the ADL for criteringens according to the procedures specified in 35 III. Adm. Code 620.

b - Oral Reference Dose and/or Reference Concentration under review by USEPA. Listed values subject to change,
c - Value listed is also the Groundwater Quality Standard for this chemical pursuant to 35 III. Adm. Code 620.410 for Class I Groundwater or 35 III. Adm. Code 620.420 for Class II Groundwater.

Page 1

1 of 2

File Number. 10040,32444



Sauget Area 1

Ground Water - September 2002

Method 8260 Volatile Organic Compound Data

	Sample ID	TACO Standards Class 1 GW	TCMW-05M	TCMW-058	TCMW-06M	TCMW-06S	TCMW-06S DUP
	Sample Date	(2/2002)	09/23/C2	09/23/02	09/24/02	09/24/02	09/24/02
	Units	ug7	ug/I	ug/l	ugyl	ag/t	ug/l
Compound							
1.1,1-Trichloroethane		200c	5 U	5 U	5 U	ว บ	5 U
1.1,2,2-Tetrachloroethane		NC	5 U	5 U	5 U :	5 U	5.U
1,1,2-Trichloroethane		5c	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	Marin II B	700	5 U	5 U	5 U	5 U	5 tu
1,1-Dichloroethene		7c	5 U	5 U	5 U	5 U	5 Ü
1,2-Dichloroethane		5c	5:U	5 U	5 U	医基金蛋白蛋白 白頭 医电流动物 化二十二十二	' 5 U
1,2-Dichioropropane	Maria da Agranda de Ag	5c	3 U	5 U	5 U	5 U	5 U
2-Butanone (MEK)			.25 U	25.U 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	25 U	25 U	25 V
2-Hexanone		NC	25 U	25 U	25 U	25 U	25 U
4-Mcthyl-2-pentanone (MIHK)		NC	25 U	25 U	25 U	25 U	25 U
Acelone	are the contract of the	700	50 U	50 U	50 U	50 U	50 U
Benzene	k31 10 10 41	Sc	1.2 U	1.2 U	120	1.2 U	12 U
Bromodichloromethane	August Marine	0,2a	5 ប	5 U	5 U	5 U	5 U
Bromoform		. la	5 U	5 U	5 U	5 U	10 m
Bromomethane	1.W0.1.A	9,8	9.8 U	9.8 U	9.8 U	9.8 U	9,8 U
Carbon disulfide	est est lateri	700	5 U	5 U	5 Ü	5 U	3 U
Carbon tetrachloride		Sc	5 U	5 U	5 U	5 U	5 U
Chiorobenzene		100c	6,9	5 U	5 U	s u	30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Chloroethane	CMAN Section of the Commence o	NC	10 U	10 U	10 U	10 U	
Chloroform		0.2a	5 U	5.U % %	5 U	3U (1)	(5 U
Chloromethane		NC	10 U	10 U	10 U	19 ()	10 U
Cis/Trans-1,2-Dichiloroethena	bilastr biblik	NC	5U	5.0	5 U		3 0
Dibromochloromethane		140	5 U	5 U	5 ប	5 U	5 U
Éthylbenzene		700e	SU.	5 (f	\$U	su .	5 U
Methylene chloride (Dichloromethan	ne)	50	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
Styrene		100c	\$ U	5 t)	\$U		
Tetrachlorcethenc	ven ennen i volet i vila i nomi	5¢	5 U	5 U	5 บ	5 C	5 U
Toluene	atri ke Wil	1000c	≤ U	5 U	5 U	5.U3 (3) (3)	
Frichloroethene	ur tokki e navetnog i sile i i i o	50	2.7 U	2.7 U	2.7 U	- 2.7 U congrupa e constant e constant e e esta e	2.7 U
Viny chloride		2° 110 1.0 1.0 1.0 1.0 1.0	10 Ü	10 U	100	10 U	tq U
Xylenes, Total	eritari in sessioni in anticolori	10000c	5 U	5 V	5 Ü	5 U	5 U
cts-1,3-Dichteropropene		NO	10	I U	10	10	· U 可不能是 樂 日報日報 在 基 日 然 日 故 自
trans-1,3-Dichloropropene	sa sananne	NC	5 U	5 ป	5 U	3 U	5 U
Total VOCs		NC.	69	ND	ND		ND.

NOTES:

Page 2 of 2

File Number 10040.32444

U - not detected, I - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, DUP - field duplicate, NC - no criteria, [] - exceeds TACO Class I Ground Water Standards

a - The groundwater remediation objective is equal to the ADL for carcinogens according to the procedures specified in 35 IR. Adm. Code 620. b - Oral Reference Dose and/or Reference Concentration under review by USEPA. Listed values subject to change.

c - Value listed is also the Groundwater Quality Standard for this chemical nucroant to 35 III. Adm. Code 620.410 for Class I Groundwater or 35 III. Adm. Code 620.420 for Class II Groundwater.



Sauget Area 1

Ground Water - September 2002

Method 8270 Semivolatile Organic Compound Data

	Sample II)	TACO Standards Class I GW	TCM/V-0}M	TCMW-018	TCMW-02	TCMW-93M	TCMW-03S	TCMW-04
	Sample Date		09/24/02	09/24/02	09/25/02	09/23/02	09/23/02	09/25/02
	Units	ug.'	ug/l	ug/l	ug/l	ugi	ug/l	ng/l
Compound								
1.2,4-Trichlorobenzene		70c	10 U	10 U	10 U	10 U	10 U	10 U
1.2 Dichlorobenzene		600c	ið IT	10 U 🦮	្រែប	0.37)	LÓ U	10 U
1,3-Dichlurobenzene		NC	10 U	10 U	10 U	(OU	10 U	10 U
1,4-Dichlorobenzene	198610112313	750 100 100 200 200 200 200 200 200 200 20	10 U	100	ប្របា	10 U	ាប់ម :	10 U
2.2'-Oxybis(1-Chloropropane)	Access 2 to a special con-	NC	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlotophenal		700	10 U	10 U	30 U	100	10 ti	10 U
2, 1,6-Trichlorophenul	recovered as a page at your live of	lCa	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.I U
2,4-Dichlorophenol		21	10.17	JO U	10 U	100	tou	10.0
2,4-Dinitrophenol	a digar kerala gilir dawar kira	14	14 U	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotolucne	Minde Color	0.02a	10.U	10 U	IO U	aloum and a second	10 U	10°C
2,6-Dinitrotoluene	411101111111111 + 0011 4011 +	0.31a	10 U	IO U	10 U	U 01	10 U	10 U
2-Chloronaphthalene	1: ja () \$1 554.87	NC:	10 U	10 U	IOU	10 U	100	100
2-Chlorophenol		35	10 U	10 U	10 U	10 ()	10 U	10 U
2-Methylnaphthalenu	31 N. H. I. I. I	NC	10 U	IQU	lou	iou	lour and mission	100
2-Methylphenol (o-cresol)		350	10 U	10 U	10 U	10 U	19 U	10 U
2-Nitroaniline		NC	50.U	50 U	50 U	SOU	50 U	50 U
2-Nitrophenol	and the second of the second	NC	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	iki Maria a	20a	20 U	20 U	20 U	20 U	20 U	20 U
3-Methylphenol/4-Methylphenol	2017 2017 1 1/2 2 2	NC	10 U	10 U	10 U	10 U	10 U	19 U
3-Nitroahiline	ki sakiti bila sil	NC	50 U	50 U	30 Ú	50 Ú	50 U	50 V
4,6-Dinitro-2-methylphenol	na v svenom v zmrvi dvo	NC	13 U	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenyl ether		NC STATE OF	iu	1 U	10	i u	1.0	a u tralit i de la c
4-Chloro-3-methylphenol	Million Printing	NC	10 U	10 U	10 U	10 U	10 U	10 U
4-Culoroaniline			20 U	20 U	20 U	20 U	20 U	20 U
4-Chlorophenylphenyl other	a consultation (i.e. 10 bet)	NC	10 U	10 U	Ю ()	1 0 U	10 U	to U
1-Nitroaniline	1 - 4250 - 336 - 33		50. Ü	50 U	50 U	50 U	50 Ü	50 U
1-Nitrophenol	* - value 1884 * 188	 In the control of the c	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene		420	10°U	IO U	tou	10 U	100	10 U
Acenaphthylene	two trait yeags of a	NC	randa di kalendari kalendari da birandari 10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		2100	า้อง	iou	alo tr	10 t)	notinis in a contract of the c	10 W
Benzo(a)anthracene	Augh 1888 - NIIMP		10 U	10 U	10 U	1 0 U	10 U	10 U
lkenzo(a)pyrenu	0 * \$1.55; \$2.55\$		10.00	10 Ü	to u	10 U	(0.79.3]	1000
Benzo(b)fluoranthene	a tani dinen 90	 Control of the control of the control	10 U	10 U	10 U	10 U	[0.6 J]	10 U
Benzo(g,h,i)perylene	one and all Health		40 D. Shatiki ilihabi da S	10-17	(10 t) () () () () () () () () ()	10 U	11. 2.1	100
Benzo(k)fluoranthene	savietist ale : Dilai i		10 U	10 0	10 17	10 U	10 2. 1 (1846) 213.61 - 10 U	10 tz

NOTES:

- U not detected, J estimated value, N tentatively identified, R rejected, M EMPC, D result from diluted analysis, EB equipment blank, DUP field duplicate, NC no criteria, [] exceeds TACO Class I Ground Water Standards.

- a The groundwater remediation of feetive is equal to the ADL for carcinogent according to the procedures specified in 35 III. Adm. Code 620.

 b Oral Reference Dose and/or Reference Concentration under review by USEPA. Listed values subject to change.

 c Value listed is also the Groundwater Quality Standard for this chemical pursuant to 35 III. Adm. Code 620.410 for Class I Groundwater or 35 III. Adm. Code 620 420 for Class II Groundwater.

Page 1 of 2

File Number: [0040 32 14 1



Sauget Area 1

Ground Water - September 2002

Method 8270 Semivolatile Organic Compound Data

Sample ID	TACO Standards Class I GW	TCMW-01M	TCMW-015	TCMW-02	TCMW-03M	TCMW-03\$	TCMW-04
Sample Date	(2/2002)	09/24/02	09/24/02	09/25/02	09/23/02	09/23/02	09/25/02
Units	ug1	ug/l	ug/l	ug/l	ug/l	ug/l	ugʻi
		<u> </u>					
	1400	10 Ü	10 U	10 U	10 U	10 t)	10 U
	40-1-04 Verd Medder (1996, 1996) - 199	Marin Marin San San San San San San San San San Sa			医乳腺 化氯甲基 医多种性 化二氯甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基		3.4 U
							10 U
						MONAGE EN PARTICIPATION OF THE PROPERTY OF THE PARTY OF T	10 u
							10 U
			 10.1 (2.1)	建氯化 化铁石 经经付款 医白色 经有效的 医维克氏征			10 U
				*			10 U
944 SE	1 * 3 * 1 * 10 * 10 * 11 * 11 * 11 * 12 * 12	er ann eige Thomas or de belage by bear in eige stall fan der i		per pepting not in the in the policy of the research field in			10 U
asserias on the e							10 U
	2007 - 1. 自 AND 10 (2017) - 10 (2017) - 10 (2017) - 10 (2017)				and the control of th		1014
kidandi alikoleh kibil direberah		TU Kapataan ka baran, Kebasana un d					1 U
amedicile cel				rodigeneral in pubblich in in Roll by Dod dieben werenderdig	经存储金 网络维拉斯 化邻烷基 化化二氯酚二甲酚	Contract to the contract of th	iou
especialists of gardenses.							10 U
		n ner med i de driegen eigher in 1900 in 1900 de de eigene eigen eigen eigen eigen eigen eigen eigen eigen eig		the state of the s	alignose en 1900 les propies en recording entre en entre en en en en en en	reference of the contract of the effective field for t	lab
975 - 30 1992 : - 3-5 A 50	in 7 Bayrig y Despensión de la creat de extraction de la creation de la company de la company de la company de la c						1.9 U (0 Ü
	strotte i casa kotoristisk batasasa kala algasi attaaga (j.				ALONG A STATE OF A STATE OF THE		10.0
rate na Ewalt na El							10 U
	1.1 (4) § 7 § 1.02(0.1), M. 37 § 200.000 (200.00), Pro. (200.00).		Comment of the Commen	W	trifi film trifici i kiriki i zirgiya kiriki kitangan da 2000	S. A. Ogovi, L. Charle, A. Miller, S. A. 1997.	510 0
M 675KD 5800, No.			1 U			and the exercise and th	100
e handeten T	[4] [1] [1] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2					AND CARLO STANDARD CONTRACTOR OF A SECTION O	3.5 U
VI 9898 9 8 8 8 9 1	-).) 24.1 - 10.1 - 10.1 - 10.1 - 10.1 - 10.1 - 10.1			Electric Education of the Control of	ing to the second control of the second cont		3.5 U
11 13 WA 143 F	NC.		TO STATE OF THE PROPERTY OF TH		. 사 니	CORPORATE SECULOS CARACTERISTA A CONTRACTOR	10 U
41989883 (S) 1,489 F.						•	%10.Q
- 145 % Page 155 4	700 m. (n. n. 10 m. n.) 200 km km wee \$4, 200 km km 200 km	granda estra perquipelar a la compacta di laborar encapse		DOC Calledon and the first Sit Allender	10 1 20 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	e Sassania vasti rasa keresi edalah di keresa di Jawa da	10 U
savas propriorioje (dib.	- Aró t Erskhulais 16 tó 1812 Sr					the same and the s	10 U
र्ग बहें हैं के में में में हैं कि है	10.			MITT 내용 1 11 10 - 12 원드 - 1, 12 월드 1 12 원드 - 17	Secure 2 and the residence of the second section of the section of the second section of the section of the second section of the section	表现 19 15年15日,19 15 15 15 15 15 15 15 15 15 15 15 15 15	10 U
ration in state of the second					•		1.8 U
199 FS FSS (1986 198			1 1 1 1 2 10 10 10 10 10 10 10 10 10 10 10 10 10	SPECIAL CONTRACTOR OF STATE OF THE SECOND STATE OF THE SECOND	1.07.7	ika Piri Bada Tabahar dan 1964 bilan 1965 bilan	ND
			ND			Tele	
Company the size of the	ila aka ili taan kilogahoo kirtoo kii 1990 (1990).	1906 K. 1941 I. 1966 K. K. 1911 K. S. 1961 S. S.		pomotes el coomprobina y lanta a viene il Revi		and the state of t	
열 점보를 확인하							
AUGUSTI (1841 - 1841 - 14	DOC CORECTO LIGANES HELEC E MARKE	20.0004486.000444661.000		CONTROL	and palant was dependables	98 AN - \$350 BOARS 8800 \$45 800	
	Sample Date	Class I GW Sample Date (2/2002) Units ug/1	Clast GW (2/2002) 09/24/02 Units ug1 ug/1 1400 10 U NC 34 U 1.5a 10 U 700 10 U 140 10 U 140 10 U 15600 10 U NC 10 U NC 10 U 280 10 U 280 10 U NC 10 U 380 16 U 280 10 U NC 10 U 5500 10 U 140 10 U 15500 10 U 16 U 280 10 U NC 10 U 184 10 U NC 10 U 184 10 U 185 10 U NC 10 U 185 10 U NC 10 U	Clast GW	Ches GW (27402) 09/24/02 09/24/02 09/25/02 Units ugl ugl ugl ugl ugl ugl 1400	Classic Clas	Class GW GW Class GW Class GW Class GW Class GW Class GW GW GW GW GW GW GW

1 of 2

CONTINUED

File Number. 10040.32444

U - not detected, J - estimated value. N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, DUP - field duplicate, NC - no criteria, [] - exceeds TACO Class I Ground Water Standards.
a - The groundwater remediation objective is equal to the ADL for carcinogens according to the procedures specified in 15 Ut. Adm. Code 620.
b - Oral Reference Dose and/or Reference Concentration under review by USEPA. Listed values subject to change,
c - Value listed is also the Groundwater Quality Standard for this chemical pursuant to 35 III. Adm. Code 620.410 for Class I Groundwater or 35 III. Adm. Code 620.420 for Class II Groundwater.

NOTES:



Sauget Area 1

Ground Water - September 2002

Method 8270 Semivolatile Organic Compound Data

	Sample ID	TACO Standards Class I GW	TCMW-05M	TCMW-058	TCMW-06M	TCMW-06S	TCMW-06S DUP
	Sample Date	(2/2002)	09/23/02	09/23/02	09/24/02	09/24/02	υ _{9/24/02}
	Units	ug/l	ug/l	ug/l	u g √l	ug/l	ug/I
Compound							
1,2,4-Trichlorobenzene		70c	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene		600¢	1,5 J	10 U	10 U	10 Ü	10 U
1,3-Dichlorobenzene		NC	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene		75c	iou	10 U	iqu	10 U	10:U
2,2'-Oxybis(1-Chloropropane)		NC	10 U	10 UJ	10 U	10 U	10 U
2,4,5-Trichloraphenol		700	IOU	io U	100	£0 U	10 Ú
2,4,6-Trichlorophenol		10a	2.1 U	2.1 U	2.1 U	2.1 U	2.I U
2.4-Dichlorophenol		21	10 U	10 U	lou	10 U	IOU
2,4-Dinitrophenol		14	14 U	14 U	14 U	14 U	14 U
2,4-Dinitrotoluene		0.02a	10 U	10 U	(10 U	10 U	ιου
2,6-Dinitrotolucae		0.312	10 U	10 U	10 U	10 U	10 U
2-Cluoronaphthalene		NC	10 Ú	10 01	310 U	10 1)	10.0
2-Chlorophenol		35	10 U	10 U	10 U	10 U	10 U
2-Methy Inaphthalenn		NC	10 U	10 Ú	10 U	10 U	10 U
2-Methylphenol (o-cresol)		350	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline		NC	50 U	50 U	50 U	50 U	SOU:
2-Nitrophenol		NC	10 U	10 UJ	10 U	10 U	10 Ü
3,3*-Dichlorobenzidine		20a	20 U	20 U	20 U	20 Ü	20 U
3-Methylphenol/4-Methylphenol		NC	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline		NC	50 U	50 U	56 U	SOU	50 U
4,6-Dinitro-2-methylphenol		NC	13 U	13 U	13 U	13 U	13 U
4-Bromophenylphenylether		NC 4	1 U	1 U	LU .	TU.	: L u :
4-Chloro-3-methylphenol		NC	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline		28	20 U	20 U	20 U	20 CJ	20 U
4-Chlorophenylphenyl ether	active total 1 May Machine	NC	10 U	10 U	10 U	10 U	10 U
4-Nitroaviline	niki Kuni kat	NC	so tr	50 U	50 U	5011	\$ 50(U \$\$\$\\$\$ 13\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\
4-Nitrophenol	Account of the State of Market	NC	50 U	50 U	50 U	50 U	50 U
Acenaphthene		420	10 (J	10 t/ ***********	(១ប	4 10 U 4 801 00000 104 440	a ro.D us esta sa capa da sa esta esta feda de capa
Acenaphthylene	N.A. 1861 - 126 12300 A.A. 1	NC	10 U	10 U	10 U	10 U	10 U
Anthracene	Baraviintei a	2100	10 U	10 U	1010	10 ()	10 U
Benzo(a)anthracene	ARRESTAL AL . S.C	0.13a	10 U	10 U	10 U	1 0 U	The variable shall be a substitute of the $oldsymbol{ ilde{U}}$
Denzo(a)pyrene	Paggaga (H. SEAS)	0,2a,c	to ti	10 U	រេប	210U	10 V
Benzo(b)fluoranthene	venesser:::::::::::::::::::::::::::::::::	0.18a	10 U	10 U	10 U	10 U	1017
Benzo(g,h,i)perylene		NC	io U	10 U	aiou esta a como esta esta esta esta esta esta esta esta	10U	101)
Benzo(k)fluorauthene	rantro del productivo del	9.17a	10 U	10 U	10 U	1011	ng magamatan kabasan kaba-salah kabupatan kabupatan kabupat kebasah mendalah berasah dari berasah berasah bera INDU
				analysis ER - amilement blank I		via 11-excepts TACO Class I C	

NOTES:

- U not detected, J estimated value, N tentatively identified, R rejected, M EMPC, D result from diluted analysis, IB equipment blank, DUP field duplicate, NC no criteria, [] exceeds TACO Class I Ground Water Standards a The groundwater remediation objective is equal to the ADL for carrinogens according to the procedures specified in 35 IB. Adm. Code 620.
 b Oral Reference Dose and/or Reference Concentration under review by USEPA. Listed values subject to change.

- c Value listed is also the Groundwater Quality Standard for this chemical pursuant to 35 III. Adm. Code 620.410 for Class I Groundwater or 35 III. Adm. Code 620.420 for Class II Groundwater



Sauget Area 1

Ground Water - September 2002

Method 8270 Semivolatile Organic Compound Data

	Sample ID	TACO Standards Class I GW	TCMW-05M	TCMW-05S	TCMW-06M	TCMW-06S	TCMW-06S DUP
	Sample Date	(2/2002)	09/23/02	09/23/02	09/24/02	09/24/02	09/24/02
	Units	ս ը /,	ug/l	⊭g/l	ug /l	ս ջ ∕ി	ug/·
Compound							
Butylbenzylphthalate		1400	10 U	10 U	10 U	10 Ú	10 U
Carbazole		NC	3.4 U	3.4 U	34 Ü	3.4 U	3;4;U
Chrysene		1.5a	10 U	10 U	10 U	10 U	10 U
Di-u-butylphthalate		700	tou	l o ti	. 10 U	. 10 U	10 U
Di-n-octylphthalate		140	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthragene		0.3a	10 U	. IO CI	10 U	10 U	1011
Dibenzofuran		NC	10 U	100	10 U	10 ប	10 U
Diethylphthalate		5600	10 U	10 U · · · ·	10 U	-10 U	100
Dimethylphthalate		NC	េប	10 U	10 U	10 U	10 U
Fluoranthene	ii da ka	280	10 U	10 J	10 U	10 U.	1000
Fluorene	era e ra esta sera da elest	280		1 U 10:U	1 U 2 10 11	1 U company of the contract of	1 U
Hexachlorobenzene Hexachlorobutadiene		0.064	10 U	19 PP 19 17 17 17 18 19 19 19 19 19 19 19	rateria. Programma esta esta esta esta esta esta esta est	10 V	16.0
	s Walt variate to the first	NC 50e	10 U	10 U	10 U 3816 U	10 U	10 U F ü rtrisses (1888 – 1888 – 1888 – 1888 – 1888 – 1888 – 1888 – 1888 – 1888 – 1888 – 1888 – 1888 – 1888 – 1888 – 1
Hexachlorocyclopentadiene Hexachloroethane	\$58,183 (185,195)	2 00	10 U		The transfer of the second sec	100	A CREACH AGAIL, MACH AGUS A RAIGEAG AGUS AGUS AGUS AGUS AGUS AGUS AGUS AG
Indeno(1,2,3-cd)pyrene	or tradical called and a	/ 0.43a	1.9 U 10 U	1.9 U	1.9 U 3100 U	1.9 U Transport for the contract the contract	- 1.9 U F jóly 8 2008 (2008) 1886 (1886) 1886 (1986) 1886 (1986)
Isophorone	odana in inglik	0.45a 1400	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-ti-jiropylamine	gravet egg i valet i light i e	t+uu ga	10 U	10 O	10 O	10 ti	HOUFERINGS CONTRACTOR SEE SEE SECTION SEEDS SECTION SEEDS SECTION SEEDS SECTION SEEDS SECTION
N-Nitrosodiphenylamine	Mirette di Adom.	NC	5 U	5 U	5 U	5 U	
Naphthalene	CONTRACTOR	140	io ti	10.0	iou	10.0	ious santa de la companya de la comp
Nitrobenzene	E 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3.5	3.5 U	3.5 UJ	3.5 U	3.5 U	3.5 U
Pentachlorophenol		T ik (1920) (1920) (1920)	รัช	5 U	. 5 u l. 10 30 3		s.u
Phenanihrene	e distribute de di Si e e Microsonia.	NC	10 U	10 UJ	10 U	10 V	10 U
Phenol	1981 ang 51438	100c	là C	10 (1	8010 U.S.	lou :	iou
Pyrene	i podpodeni do bili di origini i i ricondi	210		10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane		NC	10 U	io UI.	10 U	10 U	19 U
bis(2-Chloroethyl)ether	in the state of th	10a	10 U	10 U	10 U	10 U	10 U
bis(2-Ethythexyl)phthalate	84 - 64 H. S. S.	6e	18U	1.8 U	1.8:U	1.8 U.	1.8 U:
Total Semivolatiles		NC	1.5	ND	ND	ND	ND
	d Carlo di day						
1			the second secon		Annual Company of the		The state of the s

NOTES:

- U-not detected, I-estimated value, N-tentatively identified, R-rejected, M-EMPC, D-result from diluted analysis, EB-equipment blank, DUP-field displicate, NC-no criteria, []-exceeds TACO Class I Ground Water Standards
- a The groundwater remediation objective is equal to the ADL for carcinogens according to the procedures specified in 35 Ill. Adm. Code 620.
- b Oral Reference Dose and/or Reference Concentration under review by USEPA. Listed values subject to change.
- c- Value listed is also the Groundwater Quality Standard for this chemical pursuant to 35 III. Adm. Code 620.410 for Class I Groundwater or 35 III. Adm. Code 620.420 for Class II Groundwater.

2 of 2

CONTINUED

Date Protein: 03/06/01 09:09:47
DBF File QNI0040 SOLUTIAN2444_SAUGETGWMONITOR/TEMPDATA DBF FXP File. QNI0040_SOLUTIAN2444_SAUGETGWMONITOR/TABLEPR FXP



Sauget Area 1

Ground Water - September 2002 Method 680 Polychiorinated Biphenyl Data

	Sample ID	TCMW-01M	TCMW-015	TCMW-02	TCMW-03M	TCMW-035	TCMW-04	TCMW-05M
	Sample Date	09/24/02	09/24/02	09/25/02	09/23/02	09/23/02	09/25/02	09/23/02
	Units	u <i>g/</i> 1	սց_1	ug/l	u g /l	⊍g/ }	ug.·l	ug/I
Cempound								
Monochlorobiphenyl Dichlorobiphenyl			0.1 U 0.1 U	0.1 U 0.1 U	0.1 U 0.1 U	01 U	0.1 U	0.1 U 0.1 U
Trichlorobiphenyl	vali si wakaza ku ili walio walio	9.1 U	0.1 U	0.1 U	0.1 D	0.1 U	0.1 U	0.1 C
Telracklorobiphettyl		0,2 U 0.2 U	0,2 U	0.2 Ü	0.2 U 0.2 U	0.2 U	0.2 t/	0.2 U 0.2 U
Pentachlorobiphenyl Hexachlorobiphenyl	andrusidiji nasalist	0.2 U 0.2 U	0.2 U 0.1 U	0.2 V 0.2 V	0.2 U 0.2 U	6.2 U 6.2 U	0.2 U 0.2 U	0.2 U 0.2 t I
Heptachlorobiphenyl		0.3 U	0,3 U	0.3 U	03 U	0.3 U	0.3 U	0 3 U
Octachlorobiphenyl			0,3 U	0.3 U.	Ó.3 V	0.3 U	0.3 U	0.3 U
Nonachlorobiphenyl Decaethlorobiphenyl	arasinar-sir		0.5 U 0.5 U	0.5 บ ฮ .ร บ ม	0.5 ひ めぐれた	0.5 U 0.5 UI	0.5 U 0.5 UJ	05U 05UI
Total PCBs	898 884 388368 180	ND	ND	ND	05 UJ ND	ND	ND	ND
	Audaditos							
	iloanuivi sero Lossaukeusi i							
		715						

NOTES:

U-not detected, I-estimated value, N-tentatively identified, R-rejected, M-EMPC, D-result from dibuted analysis, EB-equipment blank, DUP-field duplicate, NC-no criteria, []-exceeds TACO Class I Ground Water Standards

a - The groundwater remediation objective is equal to the ADL for carcinogens according to the procedures specified in 35 III. Adm. Code 620.

b - Oral Reference Dose and/or Reference Concentration under review by USEPA. Listed values subject to change.

z - Value listed is also the Groundwater Quality Standard for this chemical pursuant to 35 III. Adm. Code 620.410 for Class I Groundwater or 35 III. Adm. Code 620.420 for Class III.

1 of 2

File Number: 10040,32444



Sauget Area 1

Ground Water - September 2002

Method 680 Polychlorinated Biphenyl Data								
	Sample ID	TCMW-03S	TCMW-06M	TCMW-068	TCMW-96S DUP			
	Sample Date	09/23/02	09/24/02	09/24/02	09/24/02			
	Units	ugel	ug/l	ug/l	ug/l			
Compound								
Monochlorobiphenyl		0,1 U	0.1 U	0.1 U	0.1 U			
Dichlorobiphenyl		០.1 U	0.1 U	0.117	0.EU			
Trichlorobiphenyl		0 l U	0.1 U	0.1 U	0.1 U			
Tetracklorobiphenyl		0.2 U	0.210	0,2 U	02 U			
Pentachlorobiphenyl	an internal author a mark again	0.2 U	0.2 U	0.2 U	0.2 U			
Hexachlorobiphenyl		02U	020	0.2 U	02 tt			
Heptachlorobiphenyl	edit contacto section	0.3 U	0.3 U	0.3 U	0.3 U			
Octachlorobiphenyi		0 3 Ü	01ti	0.3 U	O. U.			
Nonachlorobiphenyl	Market Martin Programme Commencer	0.5 U	0.5 U	0.5 U	0.5 U			
Decachlorobiphenyl		ວ.5 ບັນ	ดรบเ	0.5 UJ	05U			
Total PCBs	ereneration in the large of a	ND	ND	ND	div			
 	88 - 48 F - 48 F - 48 F	our roje i pere la Colonia de la recensa de la	Para magne agga af talen desa talla talen elegat, y		######################################			

NOTES:

- U not detected, J estimated value, N tentatively identified, R rejected, M EMPC, D result from diluted analysis, EB equipment blank, DUP field duplicate, NC no enteria, [] exceeds TACO Class I Ground Water Standards
- a The groundwater remediation objective is equal to the ADL for carcinogens according to the procedures specified in 35 III, Adm. Code 620.
- b Oral Reference Dose and/or Reference Concentration under review by USEPA. Listed values subject to change.
- e Value listed is also the Groundwater Quality Standard for this chemical pursuant to 35 III. Adm. Code 620.410 for Class I Groundwater or 35 III. Adm. Code 620.420 for Class III. Adm.

Page 2 of 2

File Number: 10040 32444



Appendix A Solutia Sauget Area I

Ground Water - September 2002 Method 6010/7470 Inorganic Data

Class Clas
Mariana
Mariana
timery 0.006c 0.02 H 0.02 U 0.01 U 0.02 U 0.03 U 0.00 U<
Serie 0.05c 0.006
clum 2c 0.23 0.29° 0.17 0.4 0.12° 0.13° ryllium 0.004c 0.004U 0.004U 0.004C 0.004U 0.004U 0.004U 0.004U 0.004U 0.004U 0.004U 0.005U 0.001U 0.01U
ryllium 0.004c 0.004U 0.005U 0.001U 0.001U 0.001U 0.001U 0.001U 0.001U 0.001U 0.001U 0.001U 0.004J 0.01U 0.0037J 0.004J 0.01U 0.0037J 0.004J 0.001U 0.001SJ 0.005U 0.0002U
demium 0.005c 0.005U 0.005U 0.005U 0.005U 0.005U leium NC 170 150 110 170 140 120 condum 0.1c 0.01U 0.001U 0.001U 0.0037J 0.0043J 0.001U 0.0037J 0.0043J 0.0037J 0.0043J 0.001U 0.0037J 0.0043J 0.0037J 0.0043J 0.0037J 0.0043J 0.002U 0.005U 0.0002U
leium NC 170 150 110 170 140 120 romium 0.1e 0.01U 0.001U 0.001U 0.001U 0.0037J 0.0043J pper 0.65c 0.02U 0.05U 0.05U 0.05U 0.02U 0.002U 0.005U 0.00
balt Ic 0.01 U 0.004 J 0.01 U 0.037 J 0.043 J pper 0.65c 0.02 U 0.02 U 0.02 U 0.02 U 0.02 U n NC 21 0.05 U 0.05 U 20 1.8 0.06 u ad 0.0975c 0.005 U 0.003 U 0.095 U 0.004 J 0.005 U upsesium NC 17 24 22 40 31 28 0.05 J nganése 0.15c 1[] 1034 J 1053 J 1LL 1.4 J 1051 J recury 0.002 C 0.0002 U 0.0002
ppet 0.65c 0.02 U 0.00 U
n NC 21 0.05 UJ 0.05 UJ 20 1.8 0.06 ad 0.0075c 0.005 U 0.005 U 0.005 U 0.0015 J 0.005 U ad 0.0075c 0.005 U 0.001 J (0.51) (1.5) (1.4) (0.57) 0.57 0.002 U 0.0002 U<
ad 0.0075c 0.005 U 0.005 U 0.005 U 0.0015 I 0.005 U ugnesium NC 17 24 22 40 31 28 1 inganese 0.15c [1] [0.31] 10.531 (1.4) [1.4] (0.57] incury 0.002c 0.0002 U
Second S
Ingasese 0.15c [1] [0.31] [1.1] [1.4] [0.57] ictury 0.002e 0.0002U 0.0003U
kel C.Ic. 0,04 U 004 I 0,04 U
Assium NC 6.5 10 5.9 12 6.7 5.9 cutum 0.05c 0.01 U
entium 0.05c 0.01U
ver 0.05c 0.01U
dium 57 28 120 36 6.5
allium 6.002c [0.6076.J] 0.01 U 0.01U 0.01U 0.01U 0.01U
nadium 0.049 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0
ıс 5c 0.02.Մ 0.02. Ü 0.02.U 0.02.U 0.02.U 0.02.U
品。但是一种,我们就是一种,我们也是一种,我们的人们的人们的人们的人们的人们的人们的人们的人们的人们的人们的人们的人们的人们
BELLER BELLE B

NOTES:

File Number: 10040,32444

U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis. EB - equipment blank, DUP - field duplicate, NC - no criteria, [] - exceeds TACO Class I Ground Water Standards.

a - The groundwater remediation objective is equal to the ADL for carcinogens according to the procedures specified in 35 III. Adm. Code 620.

b - Oral Reference Dose and/or Reference Concentration under review by USEPA. Listed values subject to change.
c - Value listed is also the Groundwater Quality Standard for this chemical pursuant to 35 Ill. Adm. Code 620.410 for Class I Groundwater or 35 Ill. Adm. Code 620.420 for Class II Groundwater.



Appendix A Solutia Sauget Area 1

Ground Water - September 2002 Method 6010/7470 Inorganic Data

1	Sample ID	TACO Standards Class 1 GW	TCMW-05M	TCMW-05\$	TCMW-06M	TCMW-06S	TCMW-065 DUP
	Sample Date		09/23/02	09/23/02	09/24/02	09/24/02	09/24/02
	Units	ug/L	ng/t	mg/l	mg/l	mg1	nag/1
Compound	· · · · · · · · · · · · · · · · · · ·						
Aluminum			0.2 U	0,2 U	0.072 j	C.2 U	0.2 U
Antimony Arsenic	. 5 A 5	13. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	0.02 U 0.0041 J	0.02.U 0.01 U	0.02 U 9.01 U	0.002 U 0.0035 J	0.02 U
Barium	Salara da 180200		C.18	0.27	0.010	0.18	0.19
Beryllium	www.saidhidaellid.	 (a) 1 (1) (1) (2) (3) (1) (1) (1) (2) (1) (1) (2) (1) 	0.004 U	0,004 U	0.004 U	0.004 U	0.004 U
Cadmium			0.005 U	0.005 tř	0.005 U	0.005 U	0.005 U
Calcium		NC	140	130	[10	130	130
Climinium Cobalt			001 A	0,01 U	polu	0,01U	0.01 U
Copper	201908949 (20 0 8 2019 20		0.01 U	0.01 U 6.02 U	0.01 U .0.0015)	0.0019 J 0.02 W	0.0031 J 0.0018 J
iron	8 8 9 K		0.071	0,05 UJ	7.5	0.032 J	0.047 J
Load		0.0075e	0 005 U	0.005 U	0.00511	0.005 U	0.005 U
Magnesium		NC	34	31	21	34	35
Manganese		0,15¢	till	[0.22]	[0.91]	[0.21]	[0.21]
Mereury			0.0002 U 0.0084 J	0.0002 U	0,0002 U	0.0002 U 0.0068 1	0.9002 U
Nickel Potassium		 A True 121 (6) (6) (6) (6) (6) (15) (1) (1) (6) (6) (6) (7) (11) (2) (7) 	0.0084 J 6.4	0.0076 J 9.6	9.04 U	6.3	d.00813 6.4
Scientium				0.0LU	SOLO FILE STATE ST	-0.5 -0.01-tr	0.01 (1
Silver		n in rainn a chad ag inn agas in thig war I chagailt an agas was de car s		0.01 U	0.01 U	0.01 U	0.91 U
Sodium		NC	140	10	13	15	15
Thallium			0.01 U	0.01 U	0.01 U	[0.0068 J]	0.01 U
Vanadium Zinc	uzn, ki toki t	 Dura Judia el acades labora librada labores de devido 	001.0	0.01 U 0.02 U	0.01 U 0.02 U	0.01 U 0.02 U	0.81 년 0.02 단
Zine	48 - 48 A 1 (28 1 %)	5c 8. maari - 2004 - 2004 - 2005 - 2004 - 2004	0.1 **** + 35	0.02 U	0.02 U	V.U.Z.U Vojašti Jažonašči časti nakos širk	0.02 0
	essa kasalah da Si			:		F1	
	TIPASIN	vaisalai/aa/K			im Santa petakasas	tini (1865-1867)	

NOTES:

Page 2 of 2

File Number: 10040,32444

U - not detected, I - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, DUP - field duplicate, NC - no criteria, [] - exceeds TACO Class I Ground Water Standards

a - The groundwater remediation objective is equal to the ADL for carcinogens according to the procedures specified in 35 Jll. Adm. Code 620. b - Oral Reference Dose and/or Reference Concentration under review by USFPA. Listed values subject to change.

c - Value listed is also the Groundwater Quality Standard for this chemical pursuant to 35 III. Adm. Code 620 410 for Class I Groundwater or 35 III. Adm. Code 620.420 for Class II Groundwater.